

SEQUENCE LISTING

<110> Nichirei Corporation

<120> Primer and probe for detection of vibrio cholera or vibrio mimicus and
method of using thereof

<130> PH-1967-PCT

<140>

<141>

<150> JP 2002/362878

<151> 2002-12-13

<160> 6

<170> PatentIn Ver. 2.1

<210> 1

<211> 885

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Consensus sequence of vibrio
cholera and vibrio mimicus -gyrB

<400> 1

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 ctrctbacca tytategygg yggcaaraty caywscsaaa cttaccatca ygggtgtgcca 120
 caagcacctg tgkctgttgt rggtgakacw gagcggtaccg gtactaccgt acgtttcttg 180
 ccwagygcac aracytttac caatatcgaa ttycattacg acattytggc taaacgyctg 240
 cgtgagctgt cattcctgaa ytctggcgtg tcgatcaagc tgaysgatga rcgtgaagaa 300
 gataaraaag accacttyat gtatgaaggk ggtattcaag cgtttgtkac ccacttgaac 360
 cgyaayaaaa cgccratcca tgaraaagtm ttccacttya accaagagcg tgaagatggc 420
 atcagcgtgg aagtggcrat gcagtggaay gatggtttcc aagaaaacat ctactgcttt 480
 acyaacaaca tyccacagcg tgatggyggt acccayttag cyggtttccg tgggtgcrttg 540
 acccgactt tgaacaacta yatggayaaa gaaggcttct cgaagaaagc scaagcrgca 600
 acctcgggtg atgatgcgcg tgaaggctta acrgcdgtkg tdtcggtgaa agtrccrgat 660
 cctaaattct cragccaaac caaagataag ctrgtttctt cggargtraa atccgcrgtt 720
 gartcagcya tgaatgagaa gctggcrgat ttctrgcgg aaaaccaag cgaagcgaaa 780
 aacgtttgtt cgaagattat tgatgcrgcr cghgckcgtg aagcvgcgcg taaagcmcgk 840
 gaaatgacyc gycgtaaagg cgcgytrgay ythgcwgggt trcch 885

<210> 2

<211> 822

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Consensus sequence of vibrio cholera and vibrio mimicus -rpoD

<400> 2

acacgtgaag gygaaatcga tattgccaag cgcattgaag atggtattaa ccaagttcaa 60
 agtgcgattg ctgagtatcc tggaaccatc ccwtayattc ttgarcagtt tgaymrkgtt 120

caggcmgaag arctacgtct sactgayctg atttcwgggt tcgttgaycc taacgacatg 180
 gaaaccgaag cgccaacygc kactcacatc ggttcwgarC tytctgaagc sgatctcgck 240
 gatgaagatg aygmkgtcgy sgargatgaa gacgargatg aagaygaaga yggcgacggt 300
 gaaagyagcg acagcgaaga agaagtsagt atygacctg arctsgctcg tgagaaattc 360
 aatgaactgc gcggyaagtt ccaaaacctg caattagcgg ttaatgaatt tggtcgtgac 420
 agtmaycaag cwtctgaagc ktcarrcytr gtrytggata tyttccgyga attccgycta 480
 acaccaaarc aattygacca yttggttgaa actctgcgya cytcratgga tcgtgttcgy 540
 acccaagarc gyttggtrat gaaagcvgrt gttgaagtcg cgaaratgcc raagaaatcr 600
 ttyatygcyc trtttacagg caatgaatcg aatgargart ggctbgataa agtvctygct 660
 tctgayaarc ctaygtasm raaagtmcgt gagcaagaag amgkatygc ccgytcaaty 720
 caraaactdc aratgatcga rcargagacw tcaactgtctg ttgarcgyat caaagacatc 780
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<210> 3

<211> 822

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Consensus sequence vibrio cholera-*gyrB*

<400> 3

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 caggcmgaag arctacgtct sactgayctg atttcwgggt tcgttgaycc taacgacatg 180
 gaaaccgaag cgccaacygc kactcacatc ggttcwgarC tytctgaagc sgatctcgck 240
 gatgaagatg aygmkgtcgy sgargatgaa gacgargatg aagaygaaga yggcgacggt 300

gaaagyagcg acagcgaaga agaagtsGGT atygaccctg arctsgctcg tgagaaattc 360
 aatgaactgc gcggyaagtt ccaaaacctg caattagcgg ttaatgaatt tggtcgtgac 420
 agtmaycaag cwtctgaagc ktcarrcytr gtrytggata tyttccgyga attccgycta 480
 acaccaaarc aattygacca yttggttgaa actctgcgga cytcratgga tcgtgttcgy 540
 acccaagarc gyttggtrat gaaagcvgr gttgaagtcg cgaaratgcc raagaaatcr 600
 ttyatygcyc trtttacagg caatgaatcg aatgargart ggctbgataa agtvctygct 660
 tctgayaarc cttaygtasm raaagtmcgt gagcaagaag amgakatycg ccgytcaaty 720
 caraaactdc aratgatcga rcargagacw tcaactgtctg ttgarcgyat caaagacatc 780
 agccgtcgta tgtcwatcgg tgargcraaa gctcgccgtg cg 822

<210> 4

<211> 822

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Consensus sequence of vibrio cholera -rpoD

<400> 4

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 agtgcgattg ctgagtatcc tggaaccatc ccttatattc ttgagcagtt tgatcgtgtt 120
 caggccgaag agctacgtct cactgacctg atttcagggt tcgttgaycc taacgacatg 180
 gaaaccgaag cgccaaccgc gactcacatc ggttctgagc tttctgaagc ggatctcgcg 240
 gatgaagatg atgctgtcgt cgaagatgaa gacgaagatg aagacgaaga tggcgacggg 300
 gaaagcagcg acagcgaaga agaagtcggg atcgaccctg aactggctcg tgagaaattc 360
 aatgaactgc gcggyaagtt ccaaaacctg caattagcgg ttaatgaatt tggtcgtgac 420
 agtcatcaag cttctgaagc gtcagactta gtgytggata tcttccgtga attccgycta 480
 acaccaaagc aattcgacca cttggttgaa actctgcgca cttcaatgga tcgtgttcgc 540

acccaagaac gtttggttat gaaagcggta gttgaagtcg cgaagatgcc gaagaaatcg 600
 ttcatcgccc tatttacagg caatgaatcg aatgaagagt ggctggataa agtccttgct 660
 tctgacaagc cttacgtagc gaaagtccgt gagcaagaag aagagatccg ccgttcaatt 720
 cagaaactac aaatgatcga gcaagagaca tcactgtctg ttgaacgcat caaagacatc 780
 agccgtcgta tgtcaatcgg tgaggcraaa gctcgccgtg cg 822

<210> 5

<211> 885

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Consensus sequence of vibrio
mimicus -gyrB

<400> 5

gtctccggtg gtctacacgg ggtaggtgtg tcggtagtga atgccctgtc agaaaaagtg 60
 ctgctbacca tttatcgtgg tggcaagatt cacacccaaa cttaccatca cggtgtgcca 120
 caagcaccgt tgtctgtrgt gggtagact gagcgtaccg gtactaccgt acgtttcttg 180
 cctagtgcac agacttttac caatatcgaa ttccattacg acattctggc taaacgyctg 240
 cgtgagctgt cattcctgaa ctctggcgtg tcgatcaagc tgacggatga gcgtgaagaa 300
 gataagaaag accacttyat gtatgaaggt ggtattcaag cgtttgtkac ccacttgaac 360
 cgtaayaaaa cgccgatcca tgaaaaagta ttccacttca accaagagcg tgaagatggc 420
 atcagcgtgg aagtggcaat gcagtggaac gatggtttcc aagaaaacat ctactgcttt 480
 accaacaaca tyccacagcg tgatggcggg acccacttag cyggtttccg tgggtgcrttg 540
 acccgtaatt tgaacaacta catggacaaa gaaggcttct cgaagaaagc scaagcrgca 600
 acctcgggtg atgatgcgcg tgaaggctta acrgcrgtkg tktcggtgaa agtrccrgat 660
 cctaaattct cragccaaac caaagataag ctrgtttctt cggargtgaa atccgcgggt 720
 gagtcagcca tgaatgagaa gctggcggat ttcttgccgg aaaaccaag cgaagcgaaa 780

aacgtttggt cgaagattat tgatgcrgrc cghgctcgtg aagcvgcgcg taaagcacgt 840
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<210> 6

<211> 822

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: consensus sequence of vibrio
 mimicus -rpoD

<400> 6

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 caggcagaag aactacgtct gactgayctg atttctgggt tcgttgatcc taacgacatg 180
 gaaaccgaag cgccaactgc tactcacatc ggttcagarc tctctgaagc cgatctcgct 240
 gatgaagatg acgaggtcgc ggaggatgaa gacgaggatg aagatgaaga cggcgcacggt 300
 gaaagyagcg acagcgaaga agaagtgggt attgaccctg agctcgctcg tgagaaattc 360
 aatgaactgc gcggcaagtt ccaaaacctg caattagcgg ttaatgaatt tggtcgtgac 420
 agtaaccaag catctgaagc ttcaagcctg gtactggata tyttccgcga attccgccta 480
 acacaaaaac aatttgacca tttggttgaa actctgcgta cctcgatgga tcgtgttcgt 540
 acccaagagc gyttggtgat gaaagcvgtg gttgaagtcg cgaaaatgcc aaagaaatca 600
 tttattgcyc trtttacagg caatgaatcg aatgargaat ggctygataa agtrctcgct 660
 tctgataarc cttatgtaca aaaagtacgt gagcaagaag acgatattcg ccgctcaatc 720
 caaaaactkc agatgatcga acargagact tcaactgtctg ttgagcgtat caaagacatc 780
 agccgtcgta tgtctatcgg tgaagcgaaa gctcgccgtg cg 822